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GenCoun, DoD

**Department of Defense Directive**

**SUBJECT** Reconnaissance, Mapping and Geodetic Programs

**Reference:** (a) DOD Directive 5160.32, "Development of Space Systems"

**I. PURPOSE**

This Directive assigns responsibilities for research, development, and operational activities in the fields of reconnaissance, mapping and geodetic programs.

**II. RECONNAISSANCE SATELLITES**

The Department of the Air Force will be responsible for:

1. Research, development and operation, including payload design, launch, guidance, control and recovery of all DOD reconnaissance satellite systems.
2. Research and development of all instrumentation and equipment for processing reconnaissance data from satellite sources.

**III. GEODETTIC CONTROLS AND MAPPING PRODUCTION**

- A. The Department of the Army will be responsible for the establishment and management of a single geodetic and mapping program to meet the total requirements of the Services and the Department of Defense in consonance with priorities established by the Joint Chiefs of Staff. This responsibility will include the establishment and maintenance of a world-wide master geodetic control system and geodetic library and the production

and dissemination of geodetic data and topographic maps as required by Department of Defense agencies. In addition, it will include the establishment of a mapping and geodetic data collection program responsive to the needs of the three military departments and under the broad priorities established by the Joint Chiefs of Staff. The Department of the Army will be responsible for maintaining a research and development program in basic geodetic methods.

- B. The Departments of the Navy and the Air Force will be responsible for exploitation of the basic information provided by the Department of the Army to meet their unique Service requirements.

#### IV. MAPPING AND GEODETIC SATELLITES

- A. The Department of the Army will be responsible for:

- 1. Establishment of detailed specifications for the development of mapping and geodetic satellite payloads and the operational coverage required of such payloads to satisfy its over-all data collection program.
- 2. Research, development and operation of all systems for processing and reduction of raw data accruing from geodetic and mapping satellites.

- B. The Department of the Air Force will be responsible for:

- 1. Research and development of all geodetic satellite systems exclusive of data processing and data reduction, to meet the detailed requirements established by the Department of the Army.
- 2. Operation of geodetic satellite systems (excluding data processing and data reduction) as required to meet the schedule and coverage prescribed by the Department of the Army. The Air Force will provide operational boosters and payloads and the launch, control, guidance and recovery operations, and will deliver the collected raw data to the Department of the Army for processing.

3. Any exceptions to the foregoing will be determined in accordance with DOD Directive 5160.32 (reference (a)).

V. MAPPING AND GEODETIC SYSTEMS OTHER THAN SATELLITE

- A. The Department of the Air Force will be responsible for research, development and operation of all cartographic photograph and geodetic systems (excluding data processing, other than field computations) requiring the service of manned high performance aircraft, in accordance with the requirements and schedule provided by the Department of the Army.
- B. The Department of the Army will be responsible for research, development and operation of ground based mapping and geodetic systems (including components carried aboard instrumented probes and non-geodetic satellite systems), and the data processing and data reduction instrumentation and equipment associated therewith.
- C. The Department of the Navy will be responsible for:
  1. Research, development and operation of all oceanographic and geophysical equipment required for the survey of the ocean areas.
  2. Performing geodetic operations ashore, as necessary, to position electronic aids for navigation at sea and for temporary electronic aids required for oceanographic survey operations.
  3. Providing to the Department of the Army processed data in accordance with requirements established by the Department of the Army geodetic program.

VI. OPERATIONAL PRIORITIES

The operational acquisition of geodetic and reconnaissance data and mapping information will be carried out under the broad priorities established by the Joint Chiefs of Staff.

VII. EFFECTIVE DATE

This directive is effective upon publication.

*Rowell B. Galt*  
Deputy Secretary of Defense